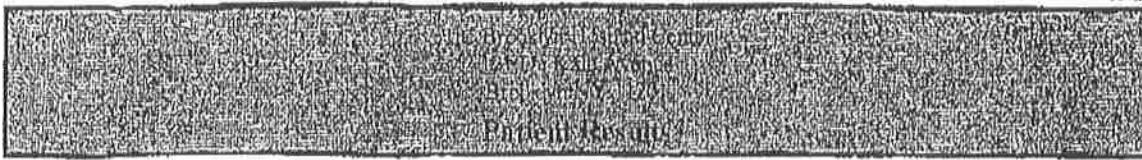


# **EXHIBIT S**

Feb. 19, 2013 10:21AM.

No. 4651 P. 9/24



**History:** Evaluate for aneurysm. **REDACTED** years old man with tingling and numbness.

**Technique:** MRA of the brain was obtained without contrast administration. The patient had MRI of the brain was obtained concurrently and reported separately. There is no prior similar exam available for comparison.

**Findings:**

Study demonstrates no evidence of intracranial aneurysm. The left vertebral artery is slightly larger than the right. The basilar artery is grossly unremarkable. The distal portion of the internal carotid arteries are grossly unremarkable. The middle cerebral anterior cerebral and posterior cerebral arteries are also grossly unremarkable. The posterior communicating arteries are small in size. The anterior communicating arteries are symmetrical in size and shape.

**Impression:**

No evidence of intracranial aneurysm or focal stenosis in the visualized intracranial arteries.

Electronically signed by Mahmoud Dakhel on February 9, 2013 at 8:03 p.m.



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Feb. 19, 2013 10:21AM

No. 4651 P. 10/24

All results for all available charts for performed dates from Feb-01-2013.	
MRJ Brain With IV Contrast	
Final	

MRJ Brain With IV Contrast	
Final	

**History:** Evaluate for aneurysm. [REDACTED] years old man with tingling and numbness of the left side of the body for 2 weeks.

**Technique:** Axial FLAIR, sagittal and axial T1, axial T2 fast spin echo, axial/T2 gradient echo, coronal T2 and Diffusion weighted images were obtained without IV contrast administration. Axial coronal and sagittal T1 postcontrast images were also obtained. The patient had MRA of the head was obtained concurrently and reported separately.

**Findings:**

There is focal low hyperintense DWI, T2 and FLAIR signal seen at the right aspect of the pons with questionable corresponding to hypointense ADC map. Findings could represent subacute small right pons infarction. Other etiology is not totally excluded. This lesion demonstrates isointense T1 signal and no corresponding enhancement in the postcontrast images.

The rest of the brain parenchymal is grossly unremarkable. There is no evidence of mass lesion/mass effect or midline shift. The ventricles and sulci are normal in size and shape for the patient's age. The gray-white matter differentiation is grossly intact. There is no evidence of abnormal enhancement in the brain. There is no evidence of intraxial or extra-axial collection. The sella suprasellar and CP angle regions are grossly unremarkable. There is no evidence of intracranial hemorrhage at the GRE images.

**Impression:**

Focal hyperintense DWI lesion seen at the right pons with questionable hypointense ADC map signal. The differential diagnosis includes but not limited to subacute infarction. Other etiology is not entirely excluded. There is no evidence of appreciable enhancement of this lesion.

No evidence of other acute abnormality in this exam.

Electronically signed by Mahmoud Dakhel on February 3, 2013 at 2:52 p.m.

Complete Blood Count and Differential			
White Cell Count	8.3	[4.8-10.8 K/mm <sup>3</sup> ]	Final
Red Cell Count	6.22	[4.40-6.80 M/mm <sup>3</sup> ]	Final
Hemoglobin	15.9	H [11.0-15.8 g/dL]	Final
Hematocrit	47	H [34-46 %]	Final
Mean Corp Vol	80	[80-84 fL]	Final
MCH	30	[27-31 pg]	Final
MCHC	33.7	[32.0-38.0 g/dL]	Final
Red Cell Dist. Width	14.1	[11.5-14.5 %]	Final
Platelet Count	213	[130-400 K/mm <sup>3</sup> ]	Final
Auto Neutro	48.8	[42.2-75.2 %]	Final
Auto Lymph	41.1	[20.0-81.0 %]	Final

D000888

## Flowsheet Print Request

Patient: UMANZOR, RANDY

MRN: 00004961339

Printed by: Desir (Office Asst), Keshia

Printed on: 2/3/2016 12:20 PM

## Last 100 Results

Laboratory	10/5/2015 12:54 PM	2/3/2015 2:30 PM	3/28/2014 1:20 PM
<b>Hematology</b>			
WBC	4.8 K/uL	5.0 K/uL	5.1 K/uL
Uncorrected WBC	4.8 K/uL	5.0 K/uL	5.1 K/uL
RBC	5.44 M/uL	5.07 M/uL	5.14 M/uL
Hemoglobin	15.9 g/dL	15.4 g/dL	15.2 g/dL
Hematocrit	50.0 % (H)	45.1 %	44.8 %
MCV	91.9 fL	89.0 fL	87.2 fL
MCH	29.2 pg	30.3 pg	29.6 pg
MCHC	31.8 g/dL (L)	34.1 g/dL	33.9 g/dL
RDW	14.2 %	14.1 %	14.4 %
Platelets	228 K/uL	239 K/uL	231 K/uL
MPV	8.6 fL	8.8 fL	9.0 fL
<b>Automated Differential</b>			
Neutrophils %	60.8 %	54.5 %	
Lymphocytes %	31.4 %	37.7 %	
Monocytes %	5.8 %	5.6 %	
Eosinophils %	1.4 %	1.7 %	
Basophils %	0.6 %	0.5 %	
Neutrophils #	2.90 K/uL	2.70 K/uL	
Lymphocytes #	1.50 K/uL	1.90 K/uL	
Monocytes #	0.30 K/uL	0.30 K/uL	
Eosinophils #	0.10 K/uL	0.10 K/uL	
Basophils #	0.00 K/uL	0.00 K/uL	
<b>General Chemistry</b>			
Glucose	123 mg/dL (H)	80 mg/dL	77 mg/dL
BUN	13 mg/dL	14 mg/dL	15 mg/dL
Creatinine	0.72 mg/dL	0.91 mg/dL	0.73 mg/dL
eGFR (Non-African American)	>90.0 mL/min/1.73m^2 (*)	86.7 mL/min/1.73m^2 (*) (L)	>60.0 mL/min/1.73m^2 (*)
eGFR (African American)	>90.0 mL/min/1.73m^2 (*)	>90.0 mL/min/1.73m^2 (*)	>60.0 mL/min/1.73m^2 (*)
Sodium	138 mmol/L	139 mmol/L	141 mmol/L
Hemolysis Index	Not Hemolyzed	Not Hemolyzed	Not Hemolyzed
Potassium	4.4 mmol/L	3.9 mmol/L	4.2 mmol/L
Chloride	106 mmol/L	104 mmol/L	102 mmol/L
Carbon Dioxide	26 mmol/L	27 mmol/L	27 mmol/L
Calcium	9.0 mg/dL	9.5 mg/dL	9.3 mg/dL
Anion Gap	6 mmol/L (L)	8 mmol/L	12 mmol/L
Albumin	4.5 g/dL	4.4 g/dL	4.7 g/dL
Total Protein	7.7 g/dL	7.3 g/dL	7.3 g/dL
A/G Ratio	1.4	1.5	1.8 (H)
Total Globulin Calculation	3.2 gm/dL	2.9 gm/dL (L)	2.6 gm/dL (L)
Bilirubin Total	1.1 mg/dL (H)	1.1 mg/dL (H)	0.6 mg/dL
Alkaline Phosphatase	93 (*)	89 (*)	90 unit/L
ALT	25 unit/L	24 unit/L	28 unit/L
AST	14 unit/L (L)	16 unit/L	15 unit/L
Lipemic Index	Not Lipemic	Not Lipemic	Not Lipemic
Icteric Index	Not Icteric	Not Icteric	Not Icteric
Vitamin B12			1,665 pg/mL (H)
<b>Therapeutic Drug Monitoring</b>			
Vitamin D <sub>2</sub> Hydroxy Total	27.2 ng/mL (*) (L)	30.8 ng/mL (*)	44.3 ng/mL (*)

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NUERO

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## Flowsheet Print Request

Patient: UMANZOR, RANDY

MRN: 00004961339

Last 100 Results

Printed by: Desir (Office Asst), Keshia

Printed on: 2/3/2016 12:20 PM

Laboratory	10/5/2015 12:54 PM	2/7/2015 2:30 PM	3/28/2014 1:20 PM
<b>Endocrinology</b>			
Thyroid Stimulating Hormone			2.140 mIU/mL
Thyroxine (T4) Total			8.1 ug/dL
Thyroxine (T4) Free			1.04 ng/dL
<b>Miscellaneous Lab Tests</b>			
Misc Test Name			Stratify JCY
Misc Result			See scanned report/Ref Lab